

# The DX Bulletin

• America's Oldest Weekly Amateur Radio Publication •  
ISSUE 323 FEBRUARY 14, 1986

PROPAGATION: Feb 13, 14, High Normal; Feb 15, High/Above Normal; Feb 16, High Normal; Feb 17, Below Normal; Feb 18, High/Low Normal; Feb 19, 20, Low Normal; Feb 21, Below Normal; Feb 22, High/Low Normal; Feb 23, 24, Disturbed. TNX N4XX.

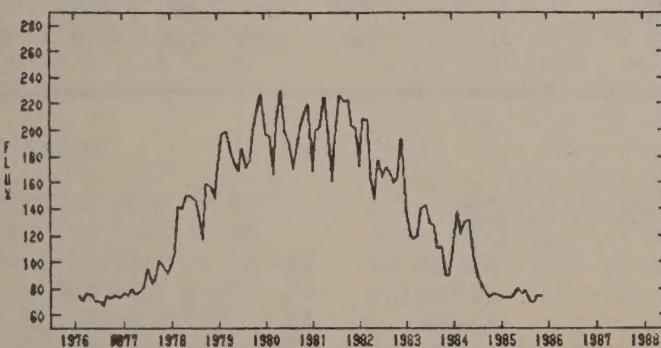
Flux (81)	Flux (82)	Flux (83)	Flux (84)	Flux (85)	Date	Flux ----1986----	A	K
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215	298	162	167	70	1/31	79	11	2
214	301	168	174	70	2/1	84	7	2
215	286	168	159	74	2/2	90	6	2
215	279	150	144	76	2/3	99	6	2
203	262	161	135	76	2/4	101	5	2
193	252	159	130	73	2/5	103	8	2
194	252	157	118	73	2/6	102	12	1

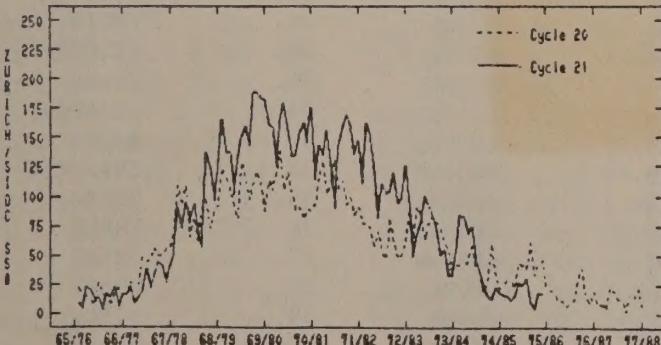
A sizeable new sunspot group came around the east limb (of the sun) Jan 30, but its effects had already been seen in a 7-point rise in the solar flux, beginning on the 28th. On February 2 another spot appeared, and flux reached 90, highest since October 1985. There were no visible sunspots for the week of Jan 23-29. The flux of 101 on Feb 4 was the highest since July 1985, and the flux of 103 on the 5th was the highest since July 1984. All was lost when a magnetic storm hit Friday, Feb 7, wiping out the bands for over 24 hours. (TNX in part to Tilton/W1AW and KALBU).

CHARTS COURTESY KH6BZF REPORTS

SOLAR CYCLE 21 - 10.7cm FLUX



SUNSPOT CYCLES 20 & 21



• ARRL Headquarters is leaning toward not granting Aruba P4 DXCC status until full independence is achieved in 1996; (on Jan 1 they began a 10-year phase-in of independence). If this is true, it would appear that KQ2M was mis-lead by information he got before going to Aruba back in January.

• T77C has worked 80 countries on 160 Meters since getting on the band for the first time 3 months ago.

• 5V7AS (by IT9AZS) was the last operation; there was no operation planned for TY Benin, as first thought.

• PY7PO confirms that he will sign PY7PO/PY0F from Fernando de Noronha, Feb 15-22, both phone and CW, emphasizing the "low bands."

• According to the W1AW bulletin, KZSN has changed his plans and he and wife N5GTH will open from E. Carolines around Feb 19, then be on Guam KH2 for a couple of days, followed by the W Carolines. See Issue 320. DX-NL said I5JIO would be on the W Carolines for two months starting Feb 3.

• JA1YWX/JD1 will operate Ogasawara Mar 27-Apr 3, including the CQ WPX SSB contest (they will sign JA1ZLO/JD1 for HF work, and 'YWX on satellites). QSL to JA1YWX.

• Also for the WPX at the end of March will be E Kiribati, T32, by the Osaka University Radio Club (JA3YKC), by four operators, who will work both CW and SSB outside of the contest weekend. QSLs via JH4RHF.

• 4K0CWC (no reports yet) is said to be a North Pole ski expedition of 800 kM, to last through February.

• LIDX says W4LZZ should be in Mali now, signing TZ6ZZ, followed by 5T5ZZ, m 3X1Z and 6W1.., about ten days in each country. QSL W4FRU.

• K1KI's special newsletter on amateur radio in Russia ("USSR Tidbits") notes that the September issue of Radio, a Soviet publication, carried an article called "Drunkenness and Sport - Incompatible." Tom says it reflected the new Soviet leadership's desire to cut down drinking in all areas of the society. The article mentioned preliminary rounds for the RSFSR Championships and that a team from UA3P missed the opening because they were so drunk. The team captain lost his Master of Sport title and several team members lost the right to participate in future competitions.

Related to that, translation of an article from Soviet Patriot in the YCCC's newsletter Scuttlebutt says "73 Soviet stations broke the rules by crossing the bounds on the 160 and 80 Meter bands during the WA, Y2, and CQ WW SSB contests; among them were UZ6LWZ, UZ2FWA, and UW9AF, and many more well-known club stations as well as individual stations. Certain stations systematically worked outside of their bands and subbands."

## PROPAGATION NOTES

• FROM N4KG: "The morning (USA) openings to UA1OT and UV100 Franz Josef Land are most likely short path; I worked UA1OT at 1027Z on 160 Meters, listening on my Europe beverage. N8UM reports UI8/UJ8 on 80 at North America sunrise beaming NE with his W1CF array. On 40, I've heard northern Europeans on short path after my sunrise. This season, 160 has been terrible from Alabama, with high absorption and not many good openings to anywhere."

• FROM N7AM via Totem Tabloid: Jack had a rotating pole with a 2-element quad on 80, 3 elements on 40 and 3 on 20, which came down in a windstorm. When the antennas were up, N7AM observed that the 80 Meter long path to Europe probably doesn't cross the equator, as the signals seem to leave Washington state at 240 degrees but "cannot continue at 240 degrees because of the high MUF area around the equator, so they bend westerly, going under Hawaii, across the Philippines, and then across Siberia to Finland and Norway."

N7AM also found he could, on 40 Meters, work southern Europe (YU, I etc) long path while simultaneousl working Northern Europe (Scandanavia) on the short path!

• The Southwest Ohio DXA reports that the suites at Stouffers's hotel have been taken for the Dayton Hamvention: they include the No. Jersey DXA, Southestern DXA, No. Illinois DXA, Mad River Radio Club, Kansas City DXA, Capitol DXA, and the Canadian DX Ass'n. K8BA and K8NW will co-moderate the DX Forum.

Out in California, N6JM notes in his Worldradio column that Visalia, site of the International DX Convention, is not very easy to get to, as there's little if any air transportation there. Visalia is many hours away by auto from both San Francisco and Los Angeles. All this diminishes interest in going to the convention if you have to fly 5-6 hours just to get to the state of California.

## ALL-TIME BAND COUNTRY TOTALS

## CURRENT DXCC COUNTRIES ONLY

	160	80	40	20	15	10	TOTAL
W9ZR	157	271	289	316	307	288	1628
N4KG	154	267	287	313	302	291	1614
OH1XX	136	278	288	313	308	284	1607
K1MM	162	252	279	306	297	282	1578
G3KMA	118	227	292	316	314	300	1567
K1MEM	161	222	268	307	289	260	1507
W1NG	89	244	250	314	297	273	1466
OH3YI		261	276	316	312	289	1454
W1JR	133	202	250	315	272	255	1427
OH2BU	13	244	276	312	300	280	1425
G3GIQ	63	194	246	312	312	294	1421
OH3SR	43	194	262	315	310	292	1416
W3AP	124	186	242	314	283	251	1400
G4DY0	57	164	216	307	300	282	1326
G3XTT	111	182	212	275	273	244	1297
W1AX	88	175	238	311	256	228	1296
G3UML	29	204	217	314	283	243	1290
I4ZSQ/PH	34	183	218	314	283	255	1287
KM1H	94	241	243	275	239	171	1263
W8UVZ/CW	53	156	268	286	244	215	1222
GM3YOR/CW	61	105	147	198	189	175	875

## INCLUDING DELETED COUNTRIES

N4WW	171	260	295	335	314	301	1676
W9ZR	157	277	295	327	320	296	1672
N4KG	154	273	296	328	315	297	1663
K2FL	72	249	293	342	317	311	1584
W1NG	89	248	254	330	306	281	1508
OH3YI		265	280	331	326	296	1498
G3MCS	48	202	253	320	322	306	1452
G4DY0	57	164	216	311	303	285	1336
W8UVZ/CW	53	158	270	286	244	215	1241
W1WAI	122	179	238	276	213	169	1197
W9DH		64	184	332	306	263	1149
W4BAA	82	137	160	340	196	184	1100
W9DH/CW		58	180	295	280	216	1029
W9DH/F	18	54	279	286	248	885	

## FINAL JIM SMITH P29JS REPORT FROM PAPUA NEW GUINEA

AFTER 7-1/2 YEARS as P29JS (the most recent stay lasting 18 months) I've worked 308 DXCC countries and estimate making about 100,000 P29JS contacts. Naturally, I have the usual non-counters of 5A, XZ, C9, and 3Y (not in log).

I will always have a special feeling for the 14.220 net, which has been an almost daily rendezvouz for me with DX friends. It has been difficult keeping it running with declining conditions.

I worked all 40 Zones in the first 16 days of 1986, to qualify for the special CQ WAZ award, when the QSLs arrive. A difficult zone was 2, where I finally worked VO2GD on 20 Meter long path. Zone 23 is easier now, with more JT stations on, not to mention the UAOYs. Zone 26 without Thailand has been taken over by the 1Z stations in Burma (which CQ does count), and by the XU stations (which are apparently easy to work from the Pacific-ed). Zone 34 presents a problem with little activity except for Egypt and the Sudan, and for Zone 40 I made my only CW contact, working UV100 on 40 Meters.

Here is the P29JS list of 40 zones, all in the first 16 days of 1986, all on 20 Meter SSB except for UV100:

ZONE	STATION		
1.	KL7XD	21.	A92DT
2.	VO2GD	22.	VU2ALP
3.	K7KNG	23.	JTOXC
4.	AG5H	24.	VS6CT
5.	WB4FLO	25.	JH1XUP
6.	XE2MI	26.	1Z9YL
7.	TI8CBT	27.	NY6M/KH2
8.	J37AH	28.	9M2HB
9.	PZ1DV	29.	VK6IH
10.	HC5KA	30.	VK3COP
11.	PT7NK	31.	KX6BE
12.	CE1BEQ	32.	ZL2BPG
13.	LU3MCJ	33.	EA8XS
14.	HB9BEG	34.	SV1ZY/SU
15.	I18RAI	35.	TU1BQ
16.	UB5UAT	36.	TR8CR
17.	UH8EWW	37.	5Z4DU
18.	UA9UR	38.	ZS4TV
19.	UWOMF	39.	S79CW
20.	LZ4OX	40.	UV100

## 160 METERS

4X4NJ 1832 0430 31 MA  
 4X4NJ 1832 0430 29 MA  
 4X4NJ 1833 0428 1 FL  
 5N0/YU3KI 1833 0100 31 MA  
 5N0/YU3KI 1833 0054 31 ME  
 5N0/YU3KI 1833 2310 27 MA  
 9H3EP 1837 0621 1 IL  
 9H3EP 1837 0615 29 MA  
 9H3EP 1837 0610 31 MA  
 CO2PY 1832 2257 29 FL  
 CT3/W2ZZ 1836 0700 4 MA  
 CT3BZ 1831 0206 24 FL  
 FG5AM 1833 0427 1 FL  
 FM5CT 1831 0126 27 ME  
 GD3BEG 1826 0644 1 IL  
 HK0BKX 1833 0525 29 MA  
 J37AE 1835 0021 27 ME  
 JA3ONB 1907 1220 23 FL  
 KP2J 1831 2206 26 ME  
 LA2GV 1837 0610 4 MA  
 LF2J 1829 0805 25 MA  
 LZ1KIC 1833 0430 29 MA  
 LZ2DF 1847 0517 30 ME  
 PA/AA4OI 1833 0630 4 MA  
 SM6EHY 1832 2257 29 FL  
 T77C 1834 0545 4 MA  
 T77C 1836 0510 29 ME  
 T77C 1838 0550 29 MA  
 TG9AL 1840 0550 31 MA  
 TK5VN 1834 0635 29 MA  
 UG6GAW 1826 0309 26 MD  
 UJ8/RT5UY 1832 2315 3 MA  
 UL70B 1833 0410 29 MA  
 UO5GQ 1839 2310 30 MA  
 V4/K2LE 1828 0520 31 MA  
 V4/K2LE 1825 0417 2 FL  
 VP2VA 1828 2316 29 FL  
 VP2VA 1835 0408 1 ME  
 VP2VI 1833 0123 3 FL  
 XE2ANU 1834 0640 31 MA  
 Y23K 1835 0623 30 FL  
 ZD7CW 1883 2310 28 MA  
 ZL3GQ 1827 1140 25 ME  
 ZS6DN 1828 0346 1 FL

## 80 METERS

3D2DM 3786 1238 26 PA  
 3D2DM 3788 1254 31 IL  
 3D2DM 3792 1222 24 OR  
 5B4NA 3779 0143 2 NH  
 5N0/JG1FVZ 3503 2238 3 NH  
 5N0/JG1FVZ 3510 2353 29 AL  
 5N0/YU3KI 3501 0001 31 NH  
 5N0/YU3KI 3501 2241 28 FL  
 5V7AS 3800 0015 31 MA  
 (QRT NOW)  
 6W1CK 3798 0135 2 MA  
 7X2LS 3800 0112 8 MA  
 8P9AF 3784 0905 25 MA  
 C56/G4IUF 3799 2145 29 MA  
 CE0ZIJ 3784 0400 28 NH  
 CE0ZIJ 3790 1220 24 OR  
 CT3/W2ZZ 3507 2211 30 ME  
 DU7BLC 3792 1455 24 OR  
 EA1QT 3503 0030 2 MT  
 FS/FG5DL 3778 0710 1 IL  
 HK0BKX 3500 1125 1 NH  
 IS0QDV 3507 2244 3 FL  
 JH1HQT 3507 1105 1 NH  
 JY9RL 3795 2216 3 MA  
 KX6DS 3503 1047 1 NH

LX1BR 3794 0025 31 MA  
 PZ1AP 3503 0000 31 MA  
 SV1RP 3505 0119 3 FL  
 TF3SZ 3505 2335 27 MA  
 TZ6WC 3790 2319 3 MA  
 UA0CWL 3501 2315 3 NH  
 UA0XAJ 3501 1425 31 OR  
 (OBL 129)  
 UI8CQ 3502 0020 28 NH  
 UJ8JMM 3507 0245 31 MA  
 UJ8JMM 3509 0215 29 MA  
 UQ1GWW 3503 2225 1 MA  
 V2ACW 3505 0055 29 FL  
 V4/K2LE 3522 2325 1 FL  
 VK9LM 3797 1120 26 MA  
 YD1LBY 3503 1120 2 NH  
 YD1LBY 3507 1450 2 MT  
 YD1LBY 3503 1145 26 OR  
 YK/OE5JTL 3790 0223 2 MA  
 YN1SI 3798 0142 2 MA  
 ZC4CZ 3502 2250 22 NH  
 ZD7CW 3793 2155 28 MA  
 ZD9BV 3793 2215 29 MA  
 ZP5JCY 3789 0900 25 MA  
 ZP5JKY 3780 0445 25 OR

## 40 METERS

4K1J 7002 0245 30 PA  
 4K1J 7003 0450 31 OR  
 4K1J 7003 0424 27 PA  
 4K1J 7003 0250 28 OR  
 4K1J 7005 0353 1 MI  
 4K1J 7007 0309 1 FL  
 4K1J 7013 0430 2 OR  
 5N0/YU3KI 7002 2230 30 FL  
 5N0/YU3KI 7001 2317 2 AL  
 SR8AL 7023 0315 1 FL  
 ST5RG 7002 2055 28 MA  
 5V7AS 7001 0045 1 OR  
 (QRT NOW)

9M2AX 7002 1606 29 OR  
 9M2FZ 7004 1555 1 OR  
 9M2PV 7004 1543 29 OR  
 9V1TL 7002 1600 1 OR  
 9V1TL 7004 1545 28 OR  
 9V1TL 7005 1555 27 OR  
 9V1WG 7005 1600 27 OR  
 A25/W6KG 7001 2055 28 MA  
 BV2DA 7005 1537 2 MT  
 BV2DA 7006 1540 29 OR  
 BV2FA 7003 1227 24 OR  
 CE2BXN 7003 0220 29 FL  
 CU2AK 7008 2343 28 FL  
 DU7/NOJN 7010 1230 24 OR  
 DU7GJ 7011 1537 2 MT  
 DV1FZ 7006 1550 2 OR  
 DV3/KA3DRR 7011 1425 24 OR  
 DV8AX 7010 1600 30 OR  
 EA6/G6ZY 7025 0311 1 FL  
 EK0DR 7002 0425 2 OR  
 (OBL 098)  
 EL2CJ 7011 2355 1 OR  
 FG5BM 7002 0135 29 OR  
 FG5BM 7002 0215 29 FL  
 FM5WU 7004 0210 4 FL  
 FR4DN 7007 1430 26 OR  
 FR4DN 7008 1430 28 OR  
 H44IA 7009 1300 7 MA  
 HC1LT 7006 0355 28 OR  
 HC5NAI 7004 0039 3 FL  
 HI8LC 7008 2250 31 PA  
 HI8LC 7014 0146 4 FL  
 HK0BKX 7005 1200 2 FL

HP1XHY 7009 2345 28 FL  
 IS0OMH 7004 2242 30 FL  
 J28EG 7004 2326 1 AL  
 JT0EC 7009 1623 26 OR  
 OA4JR 7017 0320 26 OR  
 P29PL 7003 1440 24 OR  
 P4/PA0FM 7006 2331 1 FL  
 PJ7/PA0VDV 7009 0222 29 FL  
 PZ1DT 7002 0230 26 OR  
 SV1DO 7005 0530 1 PA  
 UA0WW 7007 0120 26 OR  
 (OBL 104)  
 UA0YM 7003 0227 25 OR  
 UA0YM 7006 0208 29 OR  
 (ZONE 23)  
 UA1PAP 7005 0142 1 OR  
 UD6DKW 7002 2220 29 FL  
 UG7GWI 7002 1425 3 OR  
 UH8EAK 7015 1540 26 OR  
 UL7JEG 7003 0130 26 OR  
 UM8MCF 7003 0200 29 OR  
 UQ1GWW 7007 1415 2 OR  
 UQ1GWW 7002 1512 1 OR  
 UZ9AYA 7001 1253 2 MA  
 V4/K4FW 7022 2244 1 FL  
 VK9LM 7004 1228 28 OR  
 VK9LM 7006 1153 28 PA  
 VP2VEG 7016 0145 25 OR  
 VU2PMR 7012 1640 25 OR  
 VU2TTC 7004 0112 4 FL  
 VU2TTC 7009 1315 26 PA  
 VU2TTC 7005 1235 3 AL  
 YB2BNJ 7004 2253 25 PA  
 YB4FN 7006 1618 1 OR  
 YB4FN 7006 1630 29 OR  
 YC0BRX 7012 1530 29 OR  
 YC8VCE 7012 1430 2 OR  
 ZL8OY 7088 1253 1 NH  
 ZS1AK 7012 1545 26 OR  
 ZS5ABY 7006 1535 26 OR

## 20 METERS

3A2HB 14245 1430 26 MD  
 5B4MF 14223 1500 25 PA  
 5H3BH 14183 1820 30 PA  
 5H3CE 14025 1854 28 PA  
 5H3CE 14183 2006 25 PA  
 5N0/JR8BUU 14011 2234 29 PA  
 5N0/YU3KI 14005 2240 30 MT  
 5N9GM 14196 2009 25 PA  
 5T5RG 14009 2037 30 AL  
 5V7AS 14002 2315 30 MT  
 (QRT NOW)  
 5X5GK 14183 1827 1 AL  
 5X5MB 14183 1754 29 PA  
 5Z4CU 14199 1812 1 NH  
 6W1NQ 14226 2100 24 PA  
 9H3EP 14027 1750 28 MA  
 A25/W6KG 14021 1835 26 OR  
 BY5RA 14025 0107 21 CA  
 CEOFQU 14226 0045 16 CA  
 CT3BZ 14030 1755 25 OR  
 D44BC 14227 1900 26 MD  
 FM5CW 14006 1515 1 FL  
 FO8BI 14023 1652 26 OR  
 GJ4ZFM 14019 1650 2 OR  
 HB0CZS 14025 1325 5 MA  
 HB0CZS 14006 1642 1 OR  
 HB0CZS 14002 1435 25 PA  
 HC8/K8PYD 14014 1345 1 PA  
 HK0BKX 14015 1344 2 AL  
 HV3SJ 14223 1450 25 PA  
 HV3SJ 14223 1448 25 MD

J28EL 14205 2000 28 MA  
 J37AE 14197 2325 1 OR  
 JA2EAK 14034 1334 7 MA  
 (LONG PATH)  
 JW0A 14002 1435 25 PA  
 JW0A 14012 1640 1 OR  
 KX6DS 14027 0314 21 CA  
 OX3OB 14020 1705 2 OR  
 OY7ML 14025 1320 1 FL  
 S79CW 14183 1754 29 PA  
 S92LB 14177 2112 1 NH  
 T30AT 14011 0107 30 CA  
 TR8DR 14218 2115 1 NH  
 TU2OX 14022 1932 26 PA  
 TU2OX 14022 2110 26 MA  
 TZ6FE 14227 1253 1 NH  
 TZ6FS 14226 2100 24 PA  
 UG7GWB 14022 1320 26 PA  
 UV100 14018 0055 2 OR  
 UV100 14020 1705 2 OR  
 V4/K2LE 14027 2204 31 FL  
 VP2MW 14030 1318 1 FL  
 VP8BGX 14226 0130 30 PA  
 VP8JC 14203 0222 2 OR  
 VP8LP 14197 0005 1 OR  
 VP8WTW 14210 0118 16 CA  
 VU2JNA 14161 1339 2 MA  
 ZB2EO 14019 1325 1 FL  
 ZC4MR 14230 1434 25 MD  
 ZS3/DF2AL 14183 1900 28 PA  
 ZS3E 14183 1820 30 PA

## 15 METERS

3D6AN 21280 1600 26 MD  
 3D6BW 21272 1625 1 PA  
 5V7AS 21012 1615 26 PA  
 (GONE NOW)  
 CT3/W2ZZ 21023 1458 1 FL  
 EC9IR 21202 1500 25 MD  
 PJ2/W1BIH 21025 1430 1 PA  
 V3CH 21224 1500 7 MA  
 ZD7CW 21335 1600 26 PA

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 Frequency;  
 UTC;  
 day of month;  
 state.

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**CALENDAR**

ISSUE 323

AFRICA	W6KG/W6QL at A25/W6KG; next stop unknown; left are 7Q, S8, ZE, 9J, and CR8 possible through April; QSL TO YASME.	MAURITANIA	5T5SR on 15, 20 SSB and CW; QSL N4GND
AFRICA AM. SAMOA-KH8	W4LZZ now, TZ, 5T, 3X, 6W1; Issue 323 By DF6FK, DL2ZAD Feb 7-19	MONGOLIA-JT	JTOXC (OK1XC) on now, low bands
ANTARCTICA	3Y9WT there now; I317	MONTSERRAT-VP2M	K1LLN/VP2M Feb 24-Mar 1
ARMADILLO RUN	In May and July; I321. More info K5RC. A new DXCC country beginning Jan 1; by K9VV group Feb (Issue 319). PA0VVD will try in Feb for P4	OGASAWARA -JD	JH5EES there on-and-off; no reports
ARUBA-P4		P.N.G.-P29	P29JS is now back at VK9NS
BAHAMAS -C6A	N6EK/C6A Feb 13-16; K0GVB/C6A 2/13-3/1 By S90AS Italian group starts Feb 5	SAO TOME-S9	S92LB on 14.183 2030-2330Z4 his QSLs are good for DXCC
BENIN -TY		SO GEORGIA	VP8BFC rumored; VP8LB there(?)
CAMEROON-TJ	TJ1CH try 14.183 at 2000Z	SO ORKNEYS	AZ1A on now, 75 SSB and 20 RTTY
CAMBODIA-XU	XU1SS in JA, Europe, 0900Z	SO SHETLANDS	ZX0ECF reported in Europe
CANTON-KH1	KS6DV/KH1 rumored there now	SOLOMONS-H44	H44IA reportedly leaves this month
CAYMANS-ZF	ZF2HI for ARRL Phone; I319	ST VINCENT -J88	By K6HCV rumored starting Feb 10
CHAGOS	VQ9LD try 7005/1300Z long path VQ9LM by W4QM to mid-Feb	SUDAN-ST	6T2MG and 6T1YP active
CHINA-BY	BY1QH, BY1SK active 20 SSB	SVALBARD-JW	JW5VAA, JW5E, JW0A on; I310
CURACAO-PJ	PJ9J by W1BIH for ARRL Contest	TOKELAUS-ZK3	ZK3RW by ZL1AMO in March; I314
CYPRUS BASES	ZC4HMS, ZC4ESB active; ZC4MR on with W7PHO, 14.225 at 1600Z	TONGA-A35	A35WZ by NC7K starts Feb 13; I319
	ZC4MR now on 75 SSB	TROMELIN	FR7AI soon, until first of March
E CAROLINES -KC6	KC6JC back on Ponape, 20/40 M. by KZ5M in Feb; Issue 320, 323	TURKS -VP5	By N6EK FEB 21-MAR 4; I321; BY KC2RS FEB 13-MAR 10; I321
FALKLANDS -VP8	VP8BCO, VP8WTW active	VATICAN-HV	HV2VO on 160 recently was a pirate
F DE NORONHA	PY7PO/PY0 Feb 15-22, CW and SSB	W CAROLINES	By KZ5M in Feb; I323
FR JOSEF LAND	UV100, UALOT very active; Issue 319	160 METER NET	With 4X4NJ, 1400Z, Saturday, 14.337 Info 1900-2000 KHz, I310
GRENADA-J3	J38A Feb 13-Mar 5; K4LTA group		CONTESTS
GUINEA-BISSAU-J5	J5UAG active; no recent reports 1/86		CQ 160 SSB FEB 21-23
IVORY COAST-TU	K1CTK likes 14.183 net at 1900Z		ARRL DX CW FEB 15/16
KERMADEC-ZM8	ZL8OY staying until Aug or Sept		ARRL DX PHONE MAR 1/2
LEBANON-OD	E19FG/OD5 there several months		BERMUDA CONTEST MAR 15/16
LORD HOWE-VK9	VK9NM by DJ5CQ ends soon; I322 he wants QSLs direct there, to Box 5, L.H. Island 2898, Australia		CQ WPX SSB MAR 29/30
MADEIRA -CT3	W2ZZ/CT3 there now; I320		NA QSO PARTY CW APR 12/13
MALAGASY-5R	SR8AL try 20, 40 Meters SSB try Fri, 21.330, 16-1700Z		NA QSO PARTY PHONE APR 19/20
			ARMADILLO RUN SSB MAY 3/4
			CQ WPX CW MAY 24/25

**CONTRIBUTORS**

KA1BU, W4VQ, VE7DX, VK9NS, N4KG, W2GHK, JH1FDP, KA1XN,  
W1DEO, K3RR, N4NO, W1CYB, W8CT, W4BAA, K1MEM, W7LR,  
WB9HAD, W1NH, K4BAI, K9UIY, K6IR, KD7SO, KE7X, W6RFF.

8001 HUNTLAND RD  
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